LABDEX

Horizontal Laminar Flow Cabinet
LX12LFC

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Description

It is designed for a particles-free working environment by taking air through a filtration system and exhausting it across a work surface in a laminar or unidirectional air stream. It has a 0.3 µm HEPA filter providing a sterile working environment. Came with an LCD display and waterproof socket. It is widely used in medical research laboratories, hospitals, manufacturing facilities and other research and production environments.

Specifications

Internal dimension (W x D x H)	1000 x 500 x 600 mm
External dimension (W x D x H)	1100 x 808 x 1690 mm
Work surface height	750 mm
Display	LCD display
Airflow velocity	0.30~0.45m/s
Work table material	304 Stainless steel
Main body material	1.0mm Cold-rolled steel with anti-bacteria powder coating
Front and side window orientation	8mm toughened glass, anti-UV
Pre-filter	Polyester fiber, Washable
HEPA filter	99.999% efficiency at 0.3µm
Noise	≤65dB(A)
Illumination	≥300lx
Vibration	≤5µm(rms)

Safety	Colonies number ≤0.5CFU/30min
Clean level	ISO level 5 (Class 100)
LED lamp	12 W x 1
UV lamp	20 W x 1
UV lamp emission	253.7 Nanometers
Consumption	1200 W
Waterproof socket	Two, total load ≤ 1000 W
Power supply	AC 220V ±10%, 50/60Hz; 110V ±10%, 60Hz
Package dimension (W x D x H)	1240 x 1030 x 1350 mm
Gross weight	175 Kg

Features

- LCD display to show airflow velocity, UV timer, real-time, UV and system work time
- It came with high-quality cold rolled steel plate material, welding structure and surface electrostatic spraying with SUS304 worktop material making it beautiful and corrosion-resistance
- Equipped with pre-filter, which can filter the large particulate matter thus improving the service life of the HEPA filter
- Advanced functions like fan appointment timing function, unit conversion function from which switches units between PA and m/s, interlocking function for fluorescent lamp, UV lamp and fan
- Alarm system for ultra-high filter pressure, filter failure replacement and low wind replacement

- High-efficient HEPA filter of over 0.3 µm filtering ratio
- One operator applicable station
- 2 Water proof sockets are located in the side panel with a foot master caster design
- Having 8mm toughened side glass windows provides a bright and open working environment
- UV lamp provides an emission of 253.7 nanometers and the lamp is turned on after 5S to protect the safety of the users

Applications

- Laminar flow cabinet is widely used in medical research laboratories, hospitals, and other research and production environments.

Standard Accessories

Accessory no	Specifications
1	LED lamp x 1 Pcs
2	UV lamp x 2 Pcs
3	Base stand
4	Hook 10 Pcs
5	Waterproof socket x 2 Pcs

Optional Accessories

Accessory no	Specifications
1	Electric height adjustable stand

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